

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

10/019,284B

Source:

TFW16

Date Processed by STIC:

11-19-04

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/019,284B

DATE: 11/19/2004

TIME: 16:42:06

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Output Set: N:\CRF4\11192004\J019284B.raw

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3 <110> APPLICANT: IZUI, Masako
4     SUGIMOTO, Masakazu
5     KURAHASHI, Osamu
6     NAKAMATSU, TSUYOSHI
8 <120> TITLE OF INVENTION: DNA Encoding Sucrose PTS Enzyme II
10 <130> FILE REFERENCE: 217677US0PCT
12 <140> CURRENT APPLICATION NUMBER: US 10/019,284B
13 <141> CURRENT FILING DATE: 2002-01-02
15 <150> PRIOR APPLICATION NUMBER: JP 11-189512
16 <151> PRIOR FILING DATE: 1999-07-02
18 <160> NUMBER OF SEQ ID NOS: 21
20 <170> SOFTWARE: PatentIn Ver. 2.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 5969
24 <212> TYPE: DNA
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96 Met Asp His Lys Asp Leu Ala Gln Arg Ile Leu Arg Asp Ile Gly Gly
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98 gaa gac aac att gtc gcc gcc gca cac tgt gca acg cgt tta cgc ctc 3874
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100 20 25 30
101 gtg ctc aaa gac acc aag gat gtg gat cgc caa agt ctg gat gat gat 3922
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107 gtc ggg cca ggc gat gtg gat cat gtt ttc aaa gaa ctc gat gac gca 4018
108 Val Gly Pro Gly Asp Val Asp His Val Phe Lys Glu Leu Asp Asp Ala
109 65 70 75 80
110 acc tcc aaa gac atc gct gtg tcc aca gag cag ctc aaa gat gtt gtg 4066
111 Thr Ser Lys Asp Ile Ala Val Ser Thr Glu Gln Leu Lys Asp Val Val
112 85 90 95
113 gct aac aac gcc aac tgg ttc agc cgt gct gtg aag gta ttg gcg gac 4114
114 Ala Asn Asn Ala Asn Trp Phe Ser Arg Ala Val Lys Val Leu Ala Asp
115 100 105 110
116 att ttc gtc ccg ctg att cca atc ttg gtt ggt ggc ggt ctg ctc atg 4162
117 Ile Phe Val Pro Leu Ile Pro Ile Leu Val Gly Gly Gly Leu Leu Met
118 115 120 125
119 gct atc aac aat gtg ttg gtt gcg cag gat ctg ttc ggt ccg caa tca 4210
120 Ala Ile Asn Asn Val Leu Val Ala Gln Asp Leu Phe Gly Pro Gln Ser
121 130 135 140
122 ctg gtg gag atg ttc cct cag atc agc ggt gtt gct gag atg atc aac 4258
123 Leu Val Glu Met Phe Pro Gln Ile Ser Gly Val Ala Glu Met Ile Asn
124 145 150 155 160
125 ctg atg gca tct gcg ccg ttc gcg ttc ttg cca gtg ttg gtt ggt ttc 4306
126 Leu Met Ala Ser Ala Pro Phe Ala Phe Leu Pro Val Leu Val Gly Phe
127 165 170 175
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129 Thr Ala Thr Lys Arg Phe Gly Gly Asn Glu Phe Leu Gly Ala Gly Ile
130 180 185 190
131 ggt atg gcg atg gtg ttc cca acc ctg gtt aac ggc tac gac gtg gcc 4402
132 Gly Met Ala Met Val Phe Pro Thr Leu Val Asn Gly Tyr Asp Val Ala
133 195 200 205
134 gcc acc atg acc gcg ggc gaa atg cca atg tgg tcc ctg ttt ggt ttg 4450
135 Ala Thr Met Thr Ala Gly Glu Met Pro Met Trp Ser Leu Phe Gly Leu
136 210 215 220
137 gat gtt gct caa gct ggt tac cag ggc acc gtg ctt cct gtg ctg gtg 4498
138 Asp Val Ala Gln Ala Gly Tyr Gln Gly Thr Val Leu Pro Val Leu Val
139 225 230 235 240
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141 Val Ser Trp Ile Leu Ala Thr Ile Glu Lys Phe Leu His Lys Arg Leu
142 245 250 255
143 atg ggc act gca gac ttc ctg atc acc cca gtg ttg act ctg ctg ctc 4594
144 Met Gly Thr Ala Asp Phe Leu Ile Thr Pro Val Leu Thr Leu Leu Leu
145 260 265 270
146 acc ggc ttc ctt acg ttc att gct att ggt cca gca atg cgc tgg gtg 4642
147 Thr Gly Phe Leu Thr Phe Ile Ala Ile Gly Pro Ala Met Arg Trp Val
148 275 280 285
149 ggt gac ttg ctg gca cac ggt ctg cag gga ctc tat gat ttc ggt ggt 4690
150 Gly Asp Leu Leu Ala His Gly Leu Gln Gly Leu Tyr Asp Phe Gly Gly
151 290 295 300
152 cca gtc ggc ggt ctg ctt ttc ggt ctg gtc tac tca cca atc gtt atc 4738

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156	Thr	Gly	Leu	His	Gln	Ser	Phe	Pro	Pro	Ile	Glu	Leu	Glu	Leu	Phe	Asn	
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158	cag	ggt	gga	tcc	ttc	atc	ttc	gca	acc	gca	tcc	atg	gcc	aac	atc	gcg	4834
159	Gln	Gly	Gly	Ser	Phe	Ile	Phe	Ala	Thr	Ala	Ser	Met	Ala	Asn	Ile	Ala	
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161	cag	ggt	gca	gca	tgt	ttg	gca	gtg	ttc	ttc	cta	gcg	aag	agt	gaa	aag	4882
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167	aca	gag	cct	gcg	atc	ttc	ggt	gtg	aac	ctt	cgc	ctg	cgc	tggt	ccg	ttc	4978
168	Thr	Glu	Pro	Ala	Ile	Phe	Gly	Val	Asn	Leu	Arg	Leu	Arg	Trp	Pro	Phe	
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170	tac	att	ggt	atc	ggt	acc	gca	gct	atc	ggt	ggc	gct	ttg	att	gca	ctc	5026
171	Tyr	Ile	Gly	Ile	Gly	Thr	Ala	Ala	Ile	Gly	Gly	Ala	Leu	Ile	Ala	Leu	
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207 Lys Gln Gly Asp Glu Val Lys Ala Gly Glu Leu Leu Cys Glu Phe Asp
208          595          600          605
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210 Ile Asp Ala Ile Lys Ala Ala Gly Tyr Glu Val Thr Thr Pro Ile Val
211          610          615          620
212 gtt tcg aat tac aag aaa acc gga cct gta aac act tac ggt ttg ggc 5698
213 Val Ser Asn Tyr Lys Lys Thr Gly Pro Val Asn Thr Tyr Gly Leu Gly
214 625          630          635          640
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217          645          650          655
218 gtg cca gca aca cca taagttgaaa ccttgagtgt tcgcacacag gttagactag 5801
219 Val Pro Ala Thr Pro
220          660
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